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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,271	01/21/2004	Kia Silverbrook	RRA25US	1032
24011	7590	07/18/2007		
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			EXAMINER UHLENHAKE, JASON S	
			ART UNIT	PAPER NUMBER
			2853	
			MAIL DATE	DELIVERY MODE
			07/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/760,271

Applicant(s)

SILVERBROOK, KIA

Examiner

Jason Uhlenhake

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 May 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schalk et al (U.S. Pat. 6,749,298) in view of Stellbrink et al (U.S. Pat. 7,029,091) and Silverbrook (U.S. Pat. 6,604,810)

Schalk et al discloses:

- ***regarding claim 1***, a number of mechanisms auxiliary to cartridge including a print media transport assembly and printhead capper drive assembly; a single motor; a transmission assembly coupling the single motor to each of the number of mechanisms (Column 3, Lines 38-50) (wiping, capping, media transport assembly, pick assembly, feed assembly), such that upon receiving the printer cartridge, the cradle and printer cartridge form an inkjet cradle (32) (Column 1, Lines 45 – 60; Column 3, Lines 1 – 17, 54-58; Column 4, Lines 15 – 30)

Schalk et al does not disclose expressly:

- ***regarding claim 1***, an inkjet printer cartridge of a type including a pagewidth printhead

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- a printhead capper drive assembly being configured to operatively engage with a capper assembly of the printer cartridge upon removable engagement of the printer cartridge with the cradle

- the capper assembly incorporating a rotor element having a printhead capping face, and ink blotting face and a print media platen face and the printhead capper drive assembly incorporating a rotor element drive assembly for driving said rotor element to align one of the faces with the printhead

Stellbrink discloses:

- a printhead capper drive assembly being configured to operatively engage with a capper assembly of the printer cartridge upon removable engagement of the printer cartridge with the cradle (Column 3, Lines 14-19; Column 9, Lines 44-52), for the purpose of reducing the transfer of residue from a previous cartridge to the next inkjet cartridge

Silverbrook discloses:

- ***regarding claim 1***, inkjet printer cartridge of a type including a page-width printhead (Abstract); the capper assembly incorporating a rotor element having a printhead capping face, and ink blotting face and a print media platen face and the printhead capper drive assembly incorporating a rotor element drive assembly for driving said rotor element to align one of the faces with the printhead (Column 7, Lines 41-65), for the purpose of providing an arrangement for reducing blockage of print nozzles during non-use of a printer

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Stellbrink and Silverbrook into the device of Schalk et al, for the purpose of reducing the transfer of residue from a previous cartridge to the next inkjet cartridge and providing an arrangement for reducing blockage of print nozzles during non-use of a printer

Claim 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schalk et al (U.S. Pat. 6,749,298) as modified by Stellbrink et al (U.S. Pat. 7,029,091) and Silverbrook (U.S. Pat. 6,604,810) as applied to claim 1 above, and further in view of Horikoshi et al (U.S. Pat. 4,832,918).

Schalk et al as modified by Stellbrink and Silverbrook discloses:

- ***regarding claim 2***, wherein the number of mechanisms include a print media transport assembly (Figure 1; Column 2, Lines 29 – 38)

Schalk et al as modified by Stellbrink and Silverbrook does not disclose expressly:

- ***regarding claim 2***, wherein the number of mechanisms include an air compressor
- ***regarding claim 3***, wherein the transmission assembly includes a direct drive coupling between the compressor and the spindle/shaft of the motor

Horikoshi et al discloses:

- **regarding claim 2**, wherein the number of mechanisms include an air compressor (Column 2, Lines 12 – 16; 1 of Figure 1), for the purpose of producing air used to remove particles from the printing apparatus.

- **regarding claim 3**, wherein the transmission assembly includes a direct drive coupling between the compressor (1) and the spindle (8, motor shaft) of the motor (4) (Figure 1), for the purpose of operating the air compressor by the single motor.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Horikoshi et al into the device of Schalk et al as modified by Stellbrink and Silverbrook, for the purpose of producing air used to remove particles from the printing apparatus and operating the air compressor by a single motor.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schalk et al (U.S. Pat. 6,749,298) as modified by Stellbrink et al (U.S. Pat. 7,029,091) and Silverbrook (U.S. Pat. 6,604,810) as applied to claim 1 above, and further in view of Hansen et al (U.S. Pat. 4,719,474)

Schalk et al as modified by Stellbrink and Silverbrook disclose all of the above limitation except for the following:

- **regarding claim 4**, a worm gear extended from a spindle of the motor and meshed with a cog of the print media transport assembly and a cog of the printhead capper drive assembly

Hansen et al discloses:

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- **regarding claim 4**, a worm gear extended from a spindle of the motor (94, Figures 2, 3) and meshed with a cog of the print media transport assembly (Figure 9; Column 5, Lines 49 – 60), for the purpose of transporting media through the transport assembly of the printing apparatus.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Hansen into the device of Schalk et al as modified by Stellbrink and Silverbrook, for the purpose of transporting media through the transport assembly of the printing apparatus and control multiple mechanisms of the apparatus.

Response to Arguments

Applicant's arguments with respect to claims 1-4 have been considered but are moot in view of the new ground(s) of rejection. Please see the above rejection regarding Schalk et al (U.S. Pat. 6,749,298) in view of Stellbrink et al (U.S. Pat. 7,029,091) and Silverbrook (U.S. Pat. 6,604,810)


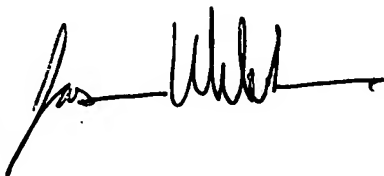
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JSU
July 9, 2007



STEPHEN MEIER
SUPERVISORY PATENT EXAMINER